SPACE SPACE ECCOUCTERS PARTS AND OPERATING MANUAL





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WARNING

THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.

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GENERAL INSTRUCTIONS FOR SPACE ENCOUNTERS

INSTALLATION

- 1. Remove shipping cleats located on bottom of cabinet.
- 2. Install four (4) provided leg levelers to bottom of cabinet and level cabinet.
- The power is controlled by a switch located on top of the cabinet. Plug into A.C. only, 115 volts, 60 cycles.

LINE VOLTAGE SAFETY SWITCH

A line voltage safety switch has been provided for your protection. It is located on the right rear side of the cabinet. When the door is removed, it opens the circuit to the line voltage. To restore power when servicing, pull switch fully out.

TO CENTER PICTURE

- 1. Place adjustment switch (5) "ON" and (6) "OFF". These switches are located on Game Logic (P.C. A084-90700-F645). Switch adjustment card is located in rear of cabinet area.
- 2. Adjust monitor so that cross-hatch is inside of viewing area.

TO SERVICE CONTROL PANEL

- 1. Open coin box door.
- 2. Release two (2) clamps, located on each side of cabinet.
- 3. Disconnect control cable jack if removing unit from cabinet.

TO ADJUST CONTROL PANEL VERTICAL AND HORIZONTAL ENCODERS

- 1. Place adjustment switch (5) "OFF" and (6) "ON".
- 2. Press trigger button, located on steering control to set encoder test mode.
- 3. Loosen set screws on vertical encoder gear (at rear of assembly).
- Rotate encoder shaft until defense ship stops in lower part of the viewing area.
 NOTE: Steering control must be in it's furthest out position.
- 5. Tighten set screws.
- 6. Loosen set screws on horizontal encoder gear.
- Hold hand grips in a horizontal position and rotate encoder shaft until defense ship is in center of screen.
- 8. Tighten set screws.

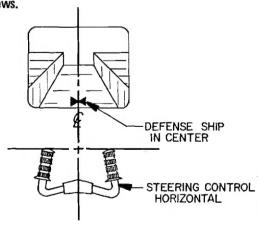


FIGURE I

During this test mode, you can play the game without the defense ship being hit to check:

- a. Coin switch
- b. Trigger switch
- c. Score and bonus
- d. All sounds (except defense ship hit)
- e. Defense ship travel
- f. Reset switches (5) and (6)

VOLTAGE CONTROL POTS

Located on Power Supply Board (P.C. A084-91324-F645) and are preset at the factory. These pots should not be tampered with unless the distributor service department is contacted.

VOLUME CONTROL

Located on sound board (P.C. A084-91324-0645) controls the volume of all sounds and may be varied as desired by rotating pot control.

STROBE LITE ASSEMBLY

Located on top shelf of game. Before servicing this unit, turn off game and wait three (3) minutes to avoid shock.

CLEANING OF PICTURE TUBE, GLASS & PLEXI

- Remove control panel.
- 2. Remove screws at bottom of plastic viewing bezel. Remove bezel.
- 3. Remove two (2) brackets holding the clear front glass and lift out.
- Remove two (2) brackets from bottom of interior shelf to lower screened plexi-glass for cleaning.

ELECTRICAL BULLETIN: FOR ALL APPARATUS COVERED BY THE CANADIAN STANDARDS ASSOCIATION (CSA) STANDARD C22.2 NO. 1, WHICH EMPLOYS A SUPPLY CORD TERMINATED WITH A POLARIZED 2-PRONG ATTACHMENT PLUG.

CAUTION:

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION:

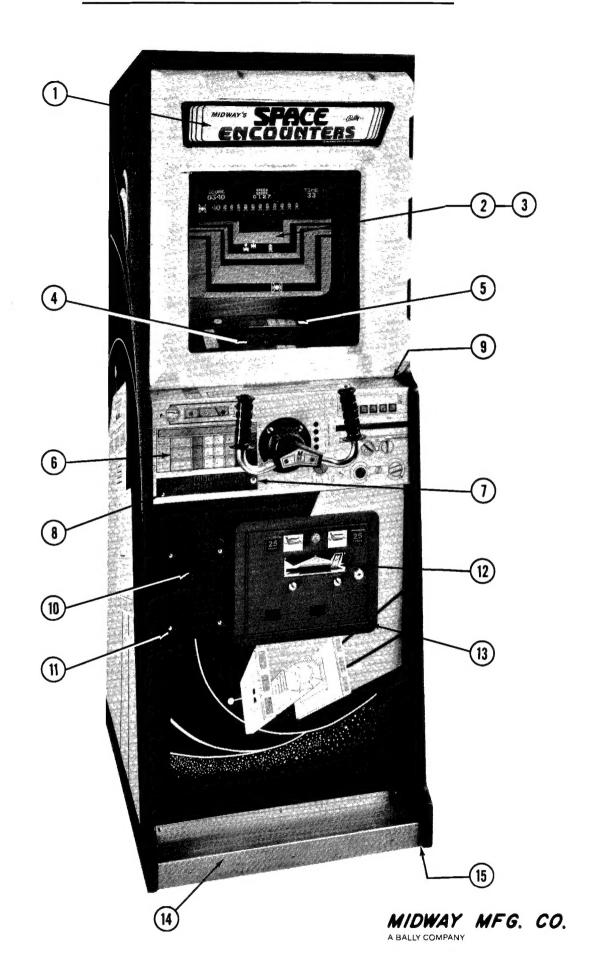
POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRIE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

SWITCH ADJUSTMENTS

-	BONUS AT	
	SW. 1	SW. 2
2000, 4000, 8000 PTS.	ON	ON
3000, 6000, 12000 PTS.	OFF	ON
4000, 8000, 16000 PTS.	ON	OFF
5000, 10000, 20000 PTS.	OFF	OFF
METI	HOD OF PLAY	and the second second
	SW. 3	SW. 4
1 COIN – 1 PLAY	ON	ON
2 COINS – 1 PLAY	OFF	ON
1 COIN — 3 PLAYS	ON	OFF
2 COINS – 3 PLAYS	0FF	OFF
		SW. 6
BONUS	ON	ON
NO BONUS	OFF	OFF
CROSS HATCH	ON	OFF
RAM-ROM TEST	OFF	ON
ENCODER ALIGNMENT		
TIN	ME OF PLAY	
	SW. 7	SW. 8
45 SECONDS	ON	ON
60 SECONDS	OFF	ON
75 SECONDS	ON	OFF
90 SECONDS	OFF	OFF

M051-00645-A012

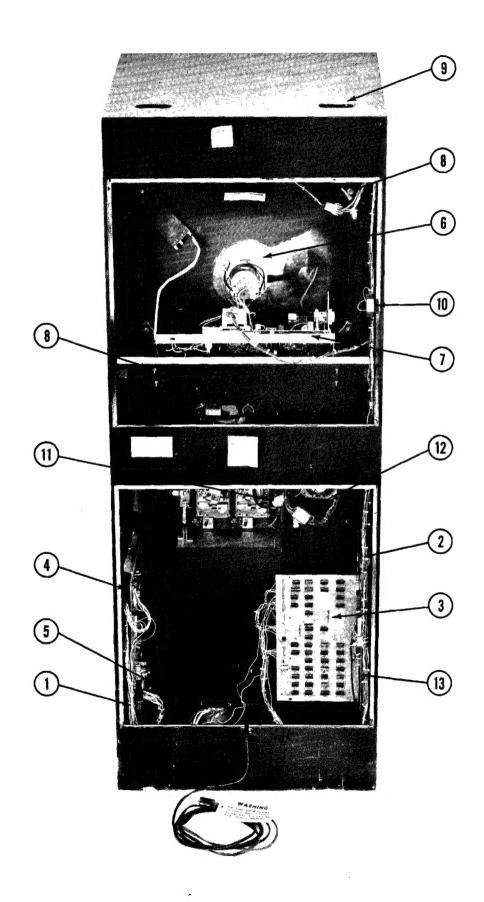
NO. 645 - SPACE ENCOUNTERS - PHOTOGRAPH



NO. 645 - SPACE ENCOUNTERS - PHOTOGRAPH ORDER BY PART NUMBER ONLY

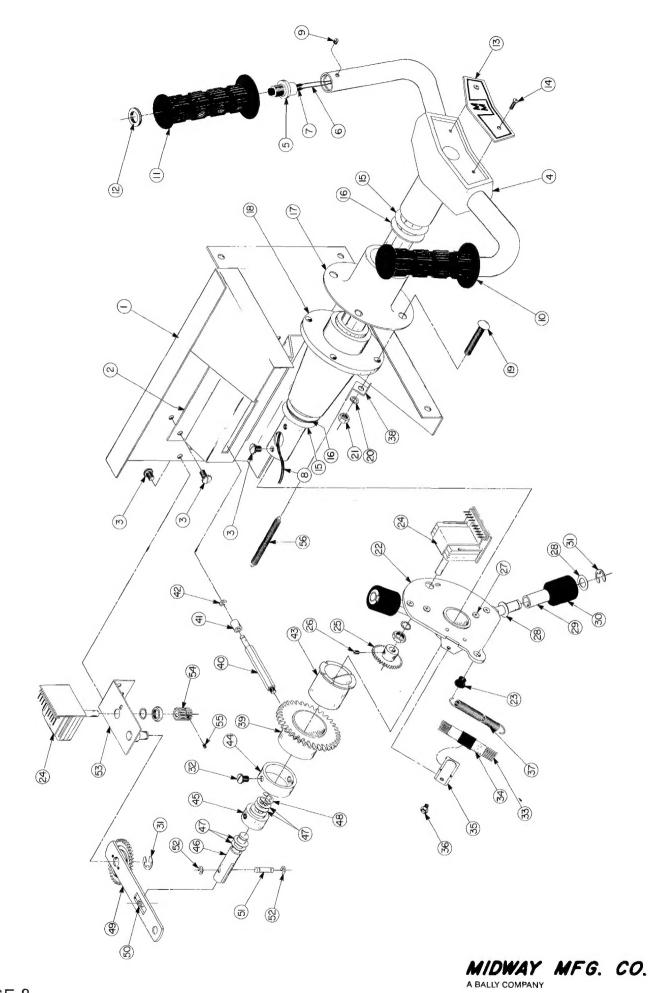
ITEM	PART Nº	DESCRIPTION
1	A645-00020-0000	PLASTIC BEZEL ASSY.
2	0645-00919-0000	COLORED SCREEN OVERLAY
3	0645-00910-0000	FRONT GLASS — 23-9/16" x 20" x 3/16"
3	0537-00903-0017	GLASS CHANNEL — 18-3/4" LG. (2 REQ'D.)
	0537-00903-0017	GLASS CHANNEL — 23" LG.
9	0629-00902-0700	GLASS LIFT CHANNEL 23-1/4" LG.
	0645-00108-00XF	GLASS LOCK BRKT. (2 REQ'D.)
4	0645-00916-0000	COCKPIT LIGHTS INSERT
	0645-00506-0000	COCKPIT LIGHTS PANEL
	0645-00111-0000	SUPPORT BRKT. (2 REQ'D.)
	0017-00031-0030	WEDGE BASE LIGHT SOCKET (8 REQ'D.)
10	0017-00003-0182	7V., .43 AMP WEDGE LAMP (8 REQ'D.)
	A645-00032-0000	COCKPIT LIGHTS CABLE ASSY.
5	0645-00900-00XF	SCENERY CARD — BOTTOM
	0645-00901-00XF	SCENERY CARD - RIGHT (NOT SEEN)
	0645-00901-01XF	SCENERY CARD — LEFT (NOT SEEN)
	0645-00902-00XF	SCENERY CARD — BACK (NOT SEEN)
6	0645-00100-00XF	CONTROL SHELF PLATE
7	0017-00102-0019	1/4-20 x 1-1/2 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0018	1/4-20 HEX NUT (4 REQ'D')
	0017-00104-0005	1/4 SPLIT LOCK WASHER (4 REQ'D.)
8	0017-00101-0639	#8-32 x 1-1/4 CARRIAGE BOLT (4 REQ'D:)
	0017-00103-0061	#8-32 HEX NUT (4 REQ'D.)
	0017-00104-0022	#8 FLAT WASHER (4 REQ'D.)
9	0017-00101-0062	#6 x 3/4 PHIL. PAN HD. SCREW (3 REQ'D')
10	0017-00009-0393	SPEAKER GRILL & HARDWARE
	0017-00003-0187	SPEAKER
11	0017-00101-0642	#8-32 x 1-1/2 CARRIAGE BOLT (4 REQ'D.)
12	A090-00020-2001	DOUBLE ENTRY COIN DOOR ASSY.
	A090-00057-0000	COIN METER ASSY.
13	0090-00002-02GR	COIN DOOR FRAME
} [0017-00101-0121	#6-32 x 5/16 PHIL. TRUS HD. M.S. (3 REQ'D.)
	0045 00011 0000	(MOUNTS COIN DOOR TO FRAME)
14	0645-00911-0000	ALUMINUM STEP LEG LEVELERS (4 REQ'D.)
15	0017-00102-0048	
	0017-00103-0026	LEG LEVELER NUTS (4 REQ'D.) NOT SHOWN LIST
	0017-00009-0033	BASSICK CLAMP (2 REQ'D.)
]]	0603-00131-0000	STRIKE (2 REQ'D.)
	0645-00107-00XF	SPRING BRKT. (MOUNTS STEERING,
	0043-00107-00X1	CONTROL SPRING TO CABINET SIDE).
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NO. 645 - SPACE ENCOUNTERS - BACK PICTURE



NO. 0645 - SPACE ENCOUNTERS - BACK PICTURE ORDER BY PART NUMBER ONLY

	UNDER	
ITEM	PART Nº	DESCRIPTION
1	A082-90400-H000	POWER SUPPLY P.C.B. ASSY.
2	A082-90000-L645	MOTHER P.C.B. ASSY.
3	A084-90700-G645	GAME LOGIC P.C.B. ASSY.
4	A084-91324-F645	SOUND P.C.B. ASSY.
	0624-00902-0100	P.C. SUPPORT BRKT. 12" (5 REQ'D.)
	0624-00902-0300	P.C. SUPPORT BRKT. 2-1/2" (7 REQ'D.)
, 0	0017-00101-0025	#8 x 1/2 HEX HD. WOOD SCREW (29 REQ'D.)
	0017-00104-0037	#8 FLAT WASHER (29 REQ'D.)
5	A905-00022-0000	TRANSFORMER BOARD ASSY.
6	0017-00003-0199	22" CATHODE RAY TUBE
7	0017-00003-0198	22" CHASSIS
	0017-00003-0322	22" C.R.T. YOKE
	A739-00010-0000	DAG SPRING ASSY.
l	3000-17175-0000	GROUND STRAP
	0592-00104-0100	CHASSIS MTG. BRKT. R.H.
	0592-00104-0200	CHASSIS MTG. BRKT. L.H.
	0645-00502-0000	CHASSIS PANEL
8	0017-00101-0637	#8-32 x 1 CARRIAGE BOLT (4 TUBE, 4 CHASSIS)
[0017-00104-0022	#8 FLAT WASHER (4 TUBE, 4 CHASSIS)
	0017-00103-0061	#8-32 HEX NUT SEMS (4 TUBE, 4 CHASSIS)
9	0017-00032-0005	ON-OFF SWITCH
	0567-00106-0100	SWITCH MTG. PLATE
	0017-00101-0025	#8 x 1/2 SLOT HEX HD. WOOD SCREW (4 REQ'D.)
10	A645-00022-00XF	
	0017-00003-0225	INTERLOCK SWITCH
11	A622-00018-0000	COIN DOOR CABLE ASSY.
12	A645-00033-0000	CONTROL SHELF CABLE ASSY.
13	A645-00034-0000	MASTER CABLE ASSY.
		ADDITIONAL PARTS LIST
) (A097-00001-0000	LOCK ASSY BACK DOOR (2 REQ'D.)
	0017-00009-0490	VENT SCREEN (4 REQ'D.)
	0017-00009-0477	MOLDED CASH BOX
	A623-00013-0000	COIN BOX COVER ASSY.
	A624-00001-0000	COIN BOX GUIDE BRKT. ASSY.
	0624-00101-0000	COIN BOX GUIDE BRKT.
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NO. 645 - SPACE ENCOUNTERS - CONTROL SHELF ASSY.

ORDER BY PART NUMBER ONLY

		BI PART NUMBER <u>UNLI</u>
ITEM	PART Nº	DESCRIPTION
1	A645-00006-00XF	BASE & BRACE ASSY.
2	0645-00106-00XF	STOP BRKT.
3	0017-00101-0652	#10-32 3/8 SLOT PAN HD. S.M.S. (9 REQ'D.)
4	A645-00011-0000	BASE - TUBE & HANDLE ASSY.
5	0017-00032-0004	SWITCH
6	0017-00033-0334	CABLE - 2 LEAD
7	M033-00100-0001	SHRINK TUBING (2 REQ'D.)
8	0010-00225-0200	CABLE GUARD
9	0017-00101-0307	#8-32 x 1/8 SETSCREW (2 REQ'D.)
10	0017-00009-0443	GRIP
11	0645-00917-0000	GRIP
12	0017-00021-0009	15/32-32 ROUND NUT
13	0645-00912-0000	CONTROL INSERT
14	0017-00101-0116	#10-32 \times 1/4 TAMPER PROOF SCREW (2 REQ'D.)
15	0017-00041-0617	RING - NEOPRENE (2 REQ'D.)
16	0645-00913-0000	WASHER - FRICTION (2 REQ'D.)
17	0645-00905-0000	SHROUD
18	A645-00012-0000	PEDESTAL ASSY.
19	0017-00102-0019	1/4-20 x 1-1/2 CARRIAGE BOLT (4 REQ'D.)
20	0017-00104-0005	1/4 SPLIT LOCK WASHER (4 REQ'D.)
21	0017-00103-0018	1/4-20 HEX NUT (4 REQ'D.)
22	A645-00008-00XF	STOP PLATE & HUB ASSY.
23	0017-00042-0016	SNAP BUSHING
24	A082-91101-B000	ENCODER (2 REQ'D.)
25	A645-00024-0000	GEAR & BUSHING ASSY.
26	0017-00101-0309	#8-32 x 1/4 SET SCREW (2 REQ'D.)
27	0017-00101-0658	#10-32 x 5/8 PHIL. PAN HD. SCREW (4 REQ'D.)
28	0017-00104-0032	FLAT WASHER (4 REQ'D.)
29	0645-00906-0000	BEARING (2 REQ'D.)
30	0645-00907-0000	RUBBER ROLLER (2 REQ'D.)
31	0017-00100-0031	E-RING (3 REQ'D.)
32	0017-00101-0652	#10-32 x 3/8 SLOT. PAN HD. SCREW (2 REQ'D.)
33	0017-00033-0329	CABLE ASSY.
34	0645-00915-0000	INSULATOR STRIP
35	A645-00039-0000	CLAMP BRKT. & SPRING PLT. ASSY.
36	0017-00101-0598	#8-32 x 5/16 SLOT HEX HD. SCREW
37	0010-00597-0000	SPRING
38	0645-00117-00XF	"Z" - BRKT.
39	A645-00007-0000	GEAR & BUSHING ASSY.
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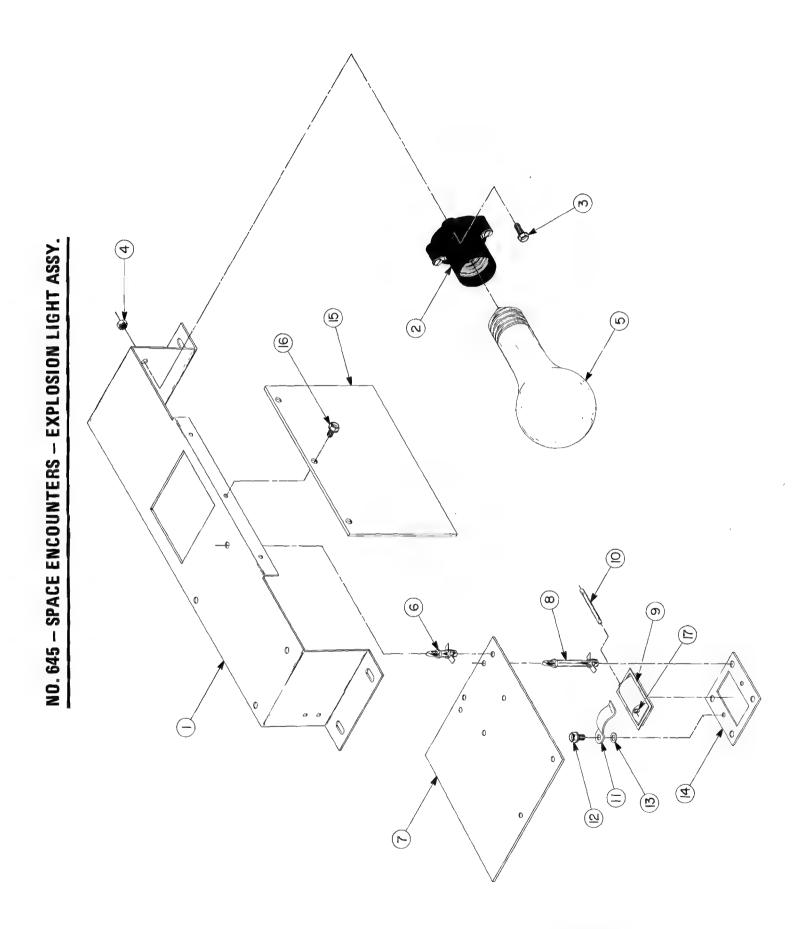
NO. 645 - SPACE ENCOUNTERS - CONTROL SHELF ASSY.

ORDER BY PART NUMBER ONLY

	UNDEN	BI PART NUMBER UNLI
ITEM	PART Nº	DESCRIPTION
40	0645-00702-00XF	ANTI-ROTATION ROD
41	0645-00908-0000	NYLON ROLLER
42	0017-00100-0015	E-RING
43	0017-00042-0222	NYLINER 1-1/4
44	0645-00708-00XF	COLLAR
45	A645-00025-0000	PLUG & BEARING ASSY.
46	0645-00710-00XF	ANTI-TWIST SHAFT
47	0030-00125-0000	NYLON WASHER (4 REQ'D.)
48	0017-00100-0037	E-RING
49	A645-00010-0000	ARM & GEAR ASSY.
50	0645-00701-00XF	ROLLER
51	0645-00700-00XF	PIN
52	0017-00100-0018	E-RING (2 REQ'D.)
53	A645-00009-0000	BRKT. & PIN ASSY.
54	0583-00723-00B0	PINION - 16 TOOTH
55	0017-00101-0308	#8-32 x 3/16 SETSCREW (2 REQ'D.)
56	0010-00265-0000	SPRING
	0017-00009-0484	TAMPER PROOF ALLEN KEY (NOT SHOWN)
		THE FOLLOWING PARTS USED TO ATTACH
		ITEM 22 TO SHAFT
	0645-00712-00XF	PIN
	0017-00100-0037	E-RING (2 REQ'D.)
	0017-00102-0042	1/4-20 x 3/4 SOCKET HD. CAP SCREW
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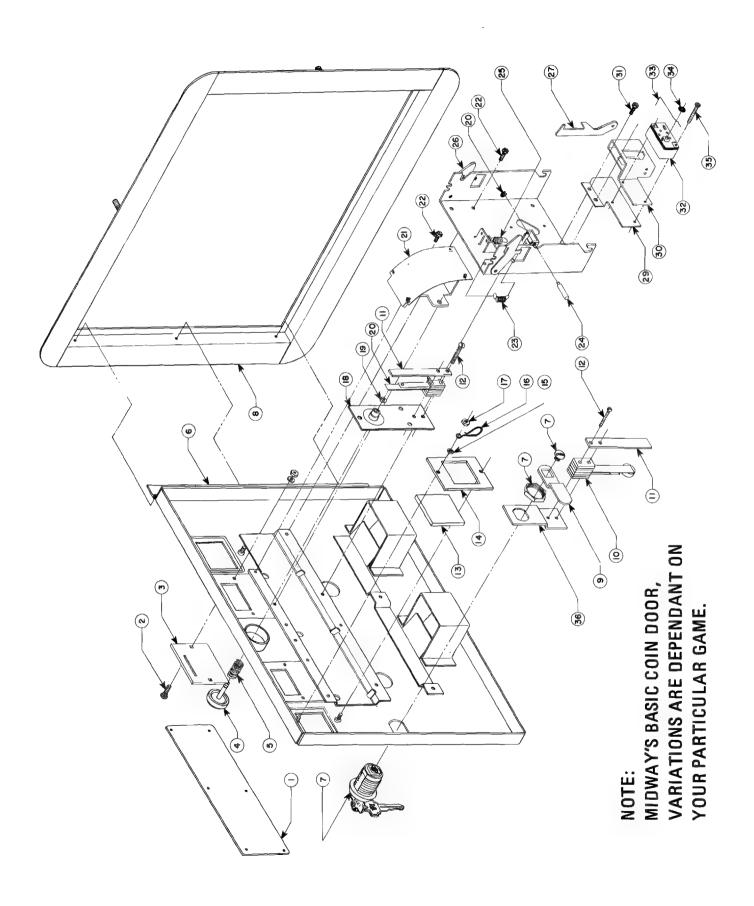


NO. 645 - SPACE ENCOUNTERS - EXPLOSION LIGHT ASSY.

ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
1 1	0645-00115-0000	EXPLOSION LIGHT MTG. BRKT.
2	0017-00003-0135	LAMP SOCKET
3	0017-00101-0026	#8-32 x 5/8 SLOT HEX HD. SCREW (2 REQ'D.)
4	0017-00103-0061	#8-32 HEX NUT SEMS (2 REQ'D.)
5	0760-00945-00XF	LAMP GE 200 W RED
6	0017-00042-0231 A084-91359-B645	STANDOFF 3/4 (4 REQ'D.) EXPLOSION P.C. BOARD
7 8	0017-00042-0232	STANDOFF 1-3/8 (4 REQ'D.)
9	0017-00042-0232 0069-156XX-XXIX	
10	0069-157XX-XXIX	REFLECTOR
11	0003-137777-7717	TENSION CLIP
12	0017-00042-0255	#6-32 x 5/16 SLOT HEX HD. SCREW
13	0017-00104-0019	#6 FLAT WASHER
14	0645-00116-0000	STROBE LIGHT HOUSING BRKT.
15	0645-00114-0000	STROBE LIGHT GUARD
16	0017-00101-0598	#8-32 x 5/16 SLOT HEX HD. SCREW (3 REQ'D.)
17	0645-00918-0000	GROMMET (2 REQ'D.)
	A645-00030-0000	STROBE LIGHT CABLE ASSY. (NOT SHOWN)
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NO. 645 - SPACE ENCOUNTERS - FRONT DOOR ASSY.

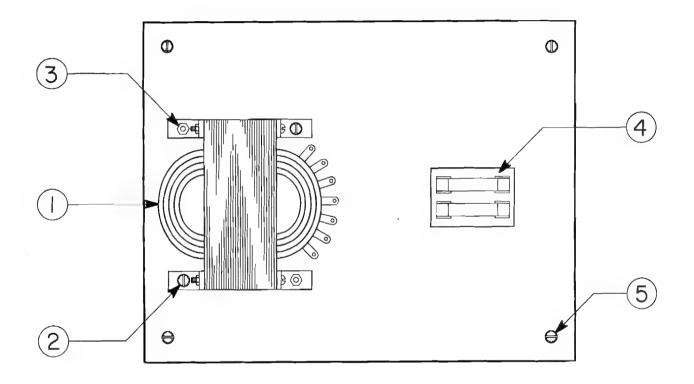


NO. 645 - SPACE ENCOUNTERS - FRONT DOOR ASSY.

ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
1	0090-00902-0000	DRESS PLATE
'	0090-00902-0100	DRESS PLATE DRESS PLATE (W/O PRESS BUTTON TO
	0030-00302-0100	START GAME)
2	0017-00101-0552	#6-32 x 1/4 CARRIAGE BOLT (2)
3	0090-00117-03XF	COIN ENTRY PLATE (25¢)
4	0090-00906-0000	PLASTIC START BUTTON
5	0010-00007-0000	COMPRESSION SPRING
	0090-00013-0200	DOOR ASSY. DOUBLE ENTRY
6 7	0017-00005-0050	DOOR LOCK & KEY WITH SCREW & NUT
8	0090-00002-02BR	DOUBLE DOOR FRAME
9	0017-00005-0041	421 N.S. CAM
10	0090-00901-0000	DOOR SWITCH
11	0090-00126-01XF	SWITCH BACKUP PLATE
12	0017-00101-0528	#5-40 x 3/4" LNG. M.S.
13	0090-00903-0040	25¢ WINDOW
14	0090-00143-0000	COIN PLEX RETAINER
15	0017-00104-0002	SPLIT LOCK WASHER
16	0017-00007-0019	KEY HOOK
17	0017-00103-0005	#6-32 HEX NUT
18	0090-00010-0000	SW. PLATE & OILLITE ASSY.
19	0017-00100-0018	"E" RING
20	0090-00131-0000	SWITCH
21	0090-00104-0000	TOP & BTM. COIN CHUT W/BRKT. ASSY.
22	0017-00101-0598	#8-32 x 5/16 SCREW
23	0010-00181-0100	SPRING
24	0090-00129-00XF	PIVOT POST
25	0010-00134-0000	SPRING ACCEPTOR FRAME ASSY.
26 27	0090-00008-0000 0093-00155-00XF	REJECTOR LEVER
	0093-00199-007F	"E" RING
28 29	0017-00100-0012 0093-00151-00XF	COIN GUIDE MTG. BRACKET
30	0090-00005-0000	COIN GUIDE ASSY.
31	0030-00003-0000	#6-32 x 5/16 SCREW
32	0017-00101-0333	COIN SWITCH
33	0010-00557-2500	TRIPWIRE
34	0017-00007-0132	PUSH-ON RING (BIK)
35	0017-00101-0507	#4-36 x 3/4 SCREW
36	0090-00128-00XF	SWITCH BRKT DOOR TILT
	A090-00061-0000	ANTI-STRING DEVICE ASSY OPTIONAL
		(REPLACES ITEM 30)
	A090-00064-0000	ANTI-PENNY DEVICE ASSY.

NO. 645 - SPACE ENCOUNTERS - TRANSFORMER BOARD ASSY.



MIDWAY MFG. CO.

NO. 645 - SPACE ENCOUNTERS - TRANSFORMER BOARD ASSY.

ORDER BY PART NUMBER ONLY

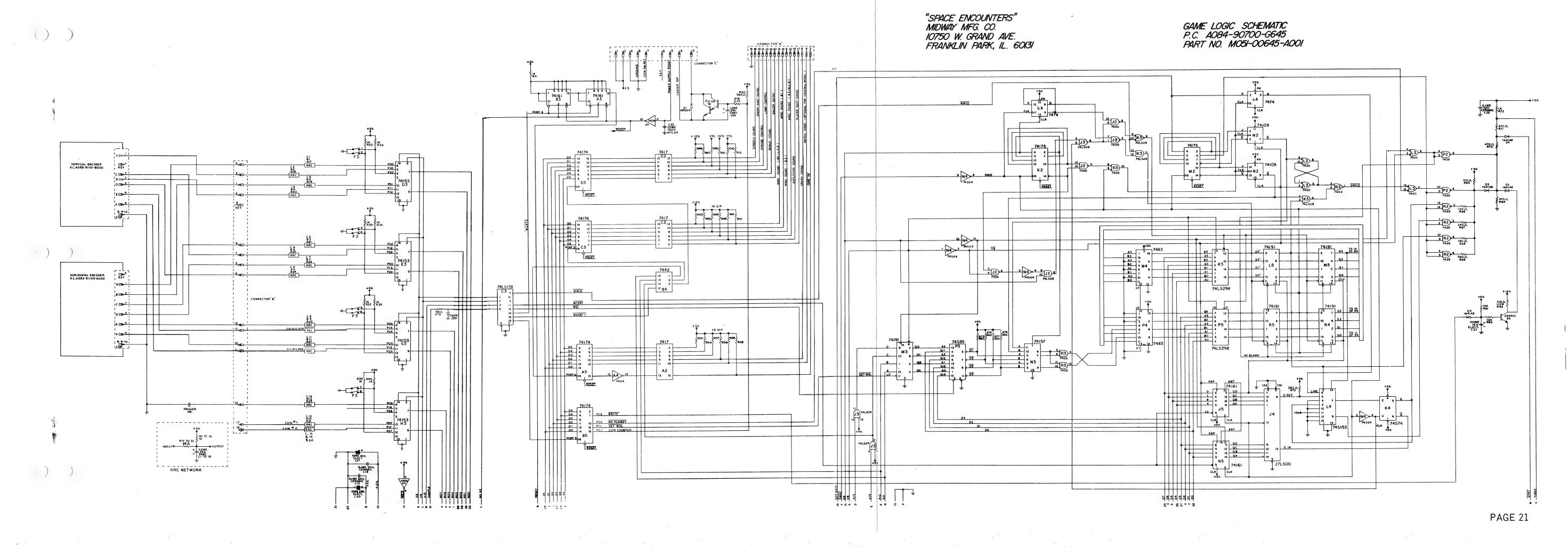
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1	MT00-00058-0000 MT00-00059-0000	TRANSFORMER — 60 CYCLE — DOMENTIC (OR) TRANSFORMER — 50 CYCLE — FOREIGN
3	0017-00101-0017 0017-00101-0637 0017-00103-0008	#6 x 1/2 SLT. HEX HD. WD. SCR. (2 REQ'D.) #8-32 x 1" CARRIAGE BOLT (2 REQ'D.) WITH #8-32 HEX NUT (2 REQ'D.)
4	0720-00001-0200 0017-00003-0103	2 POSITION FUSE BLOCK FUSE 1.5 AMP
5	0017-00003-0006 0017-00101-0018 0017-00003-0064 0017-00003-0114	FUSE 4 AMP #6 x 3/4 SLT. HEX HD. SCREW (5 REQ'D.) 16 FT. LINE CORD — NOT SHOWN NOISE FILTER - NOT SHOWN

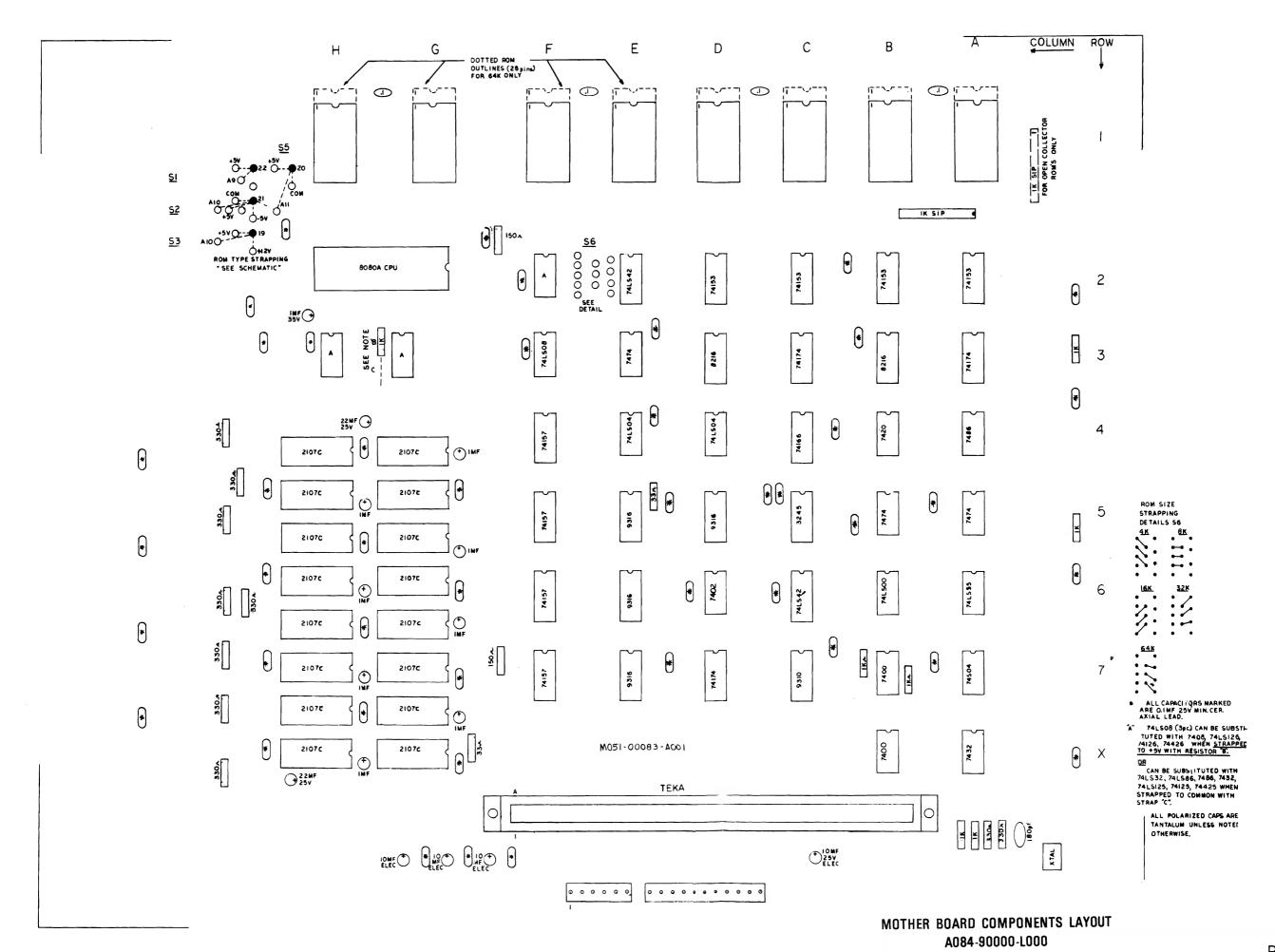
* INDICATES O.IME 50% AXIAL LEAD CERAMIC CAR

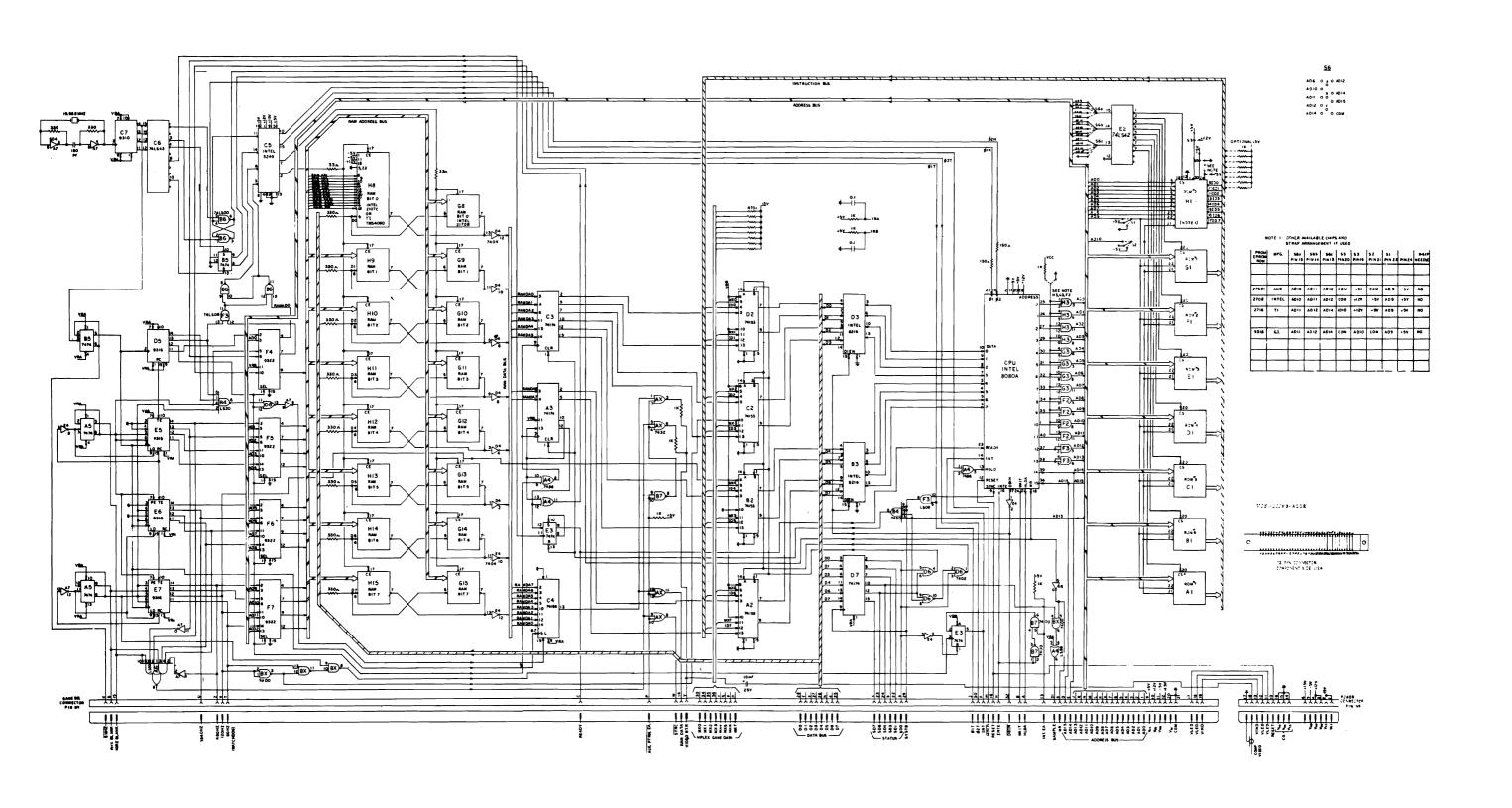
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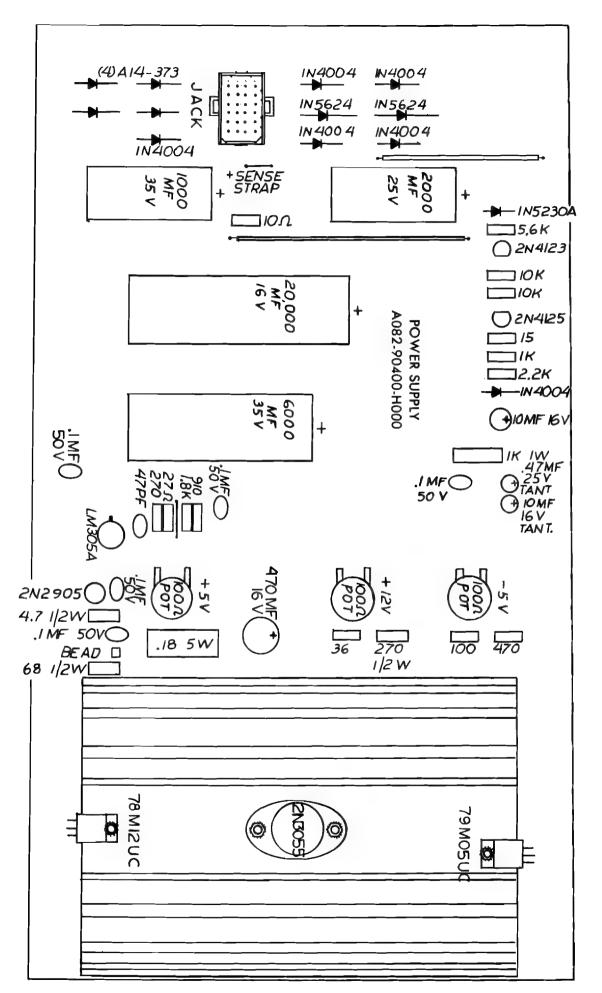
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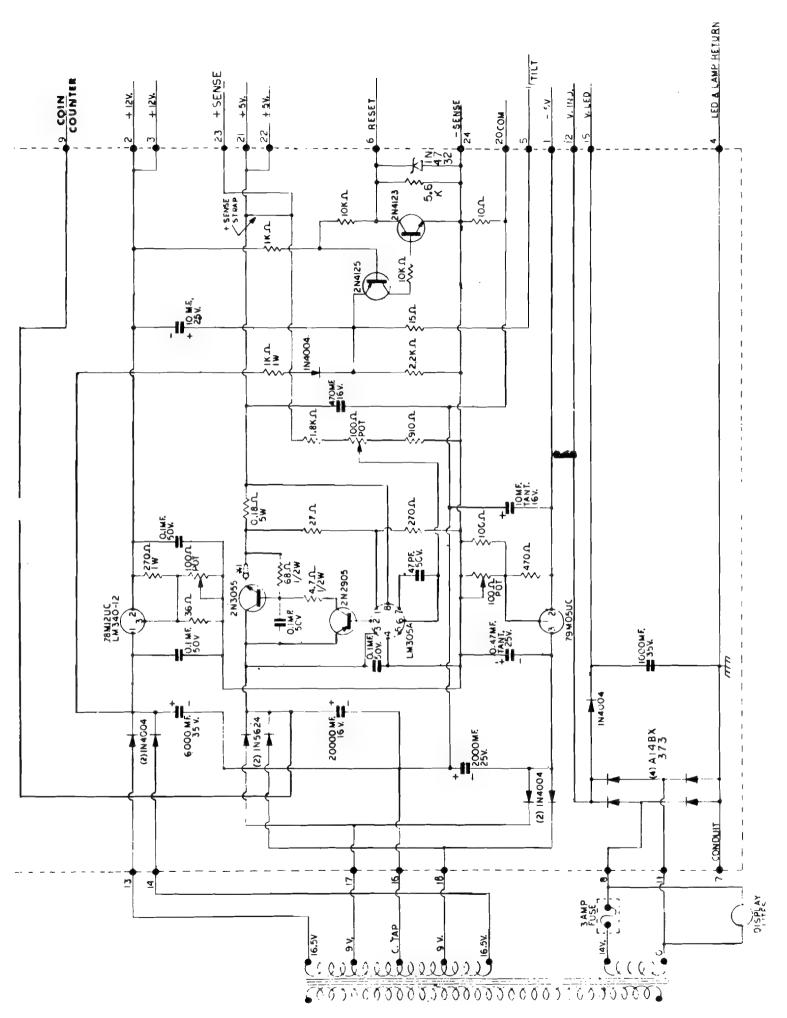


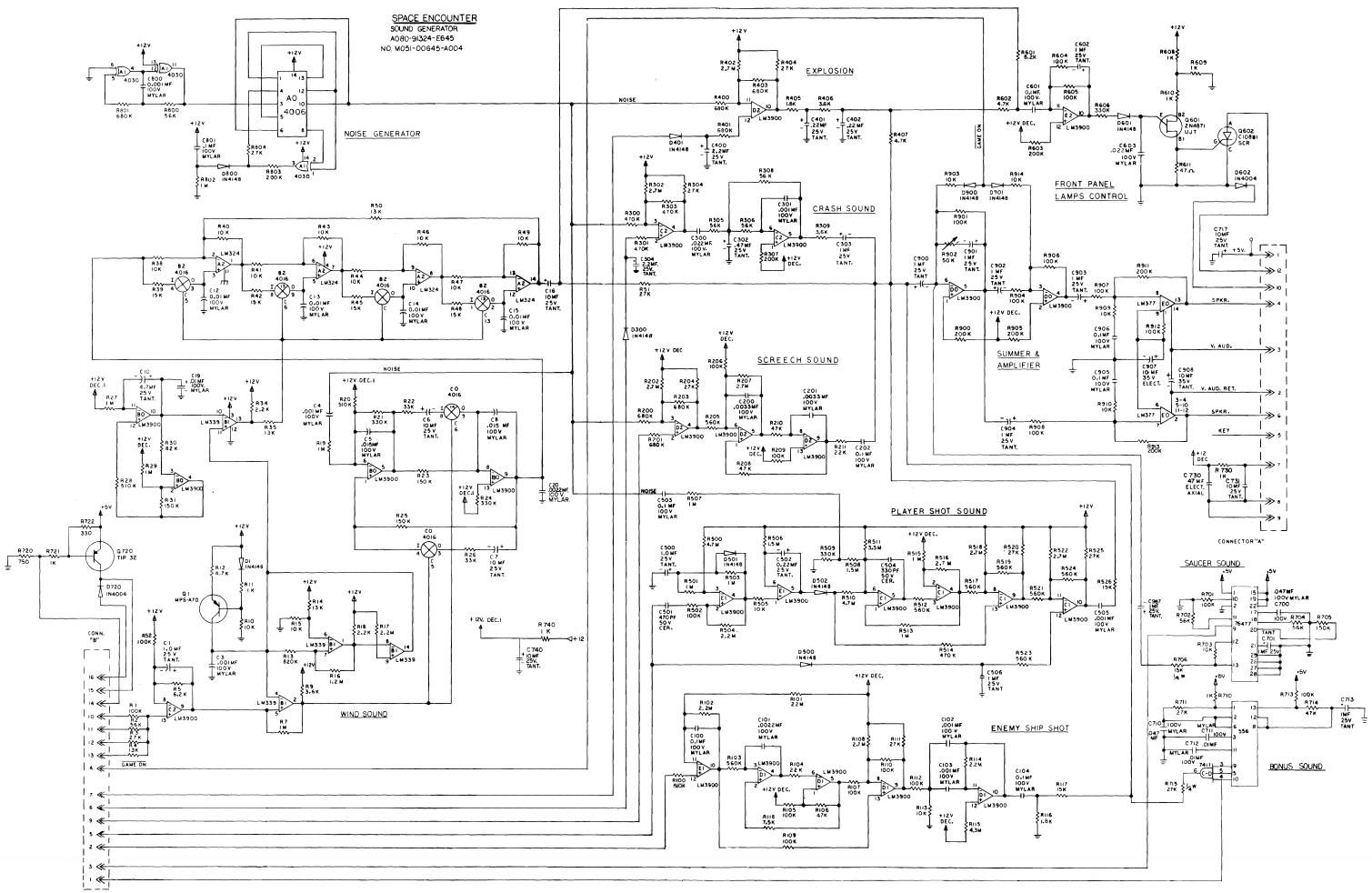


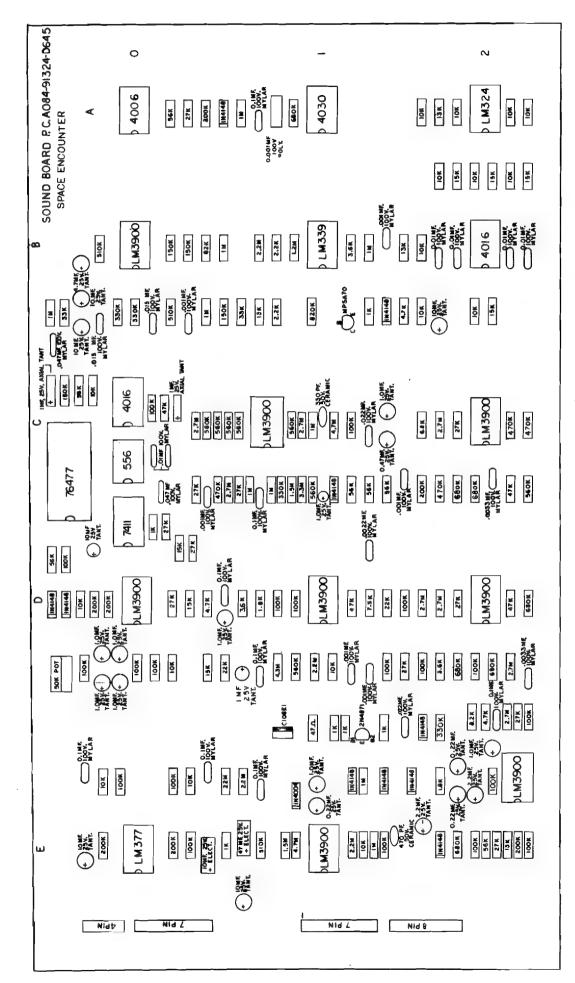


MOTHER BOARD SCHEMATIC A084-90000-L000

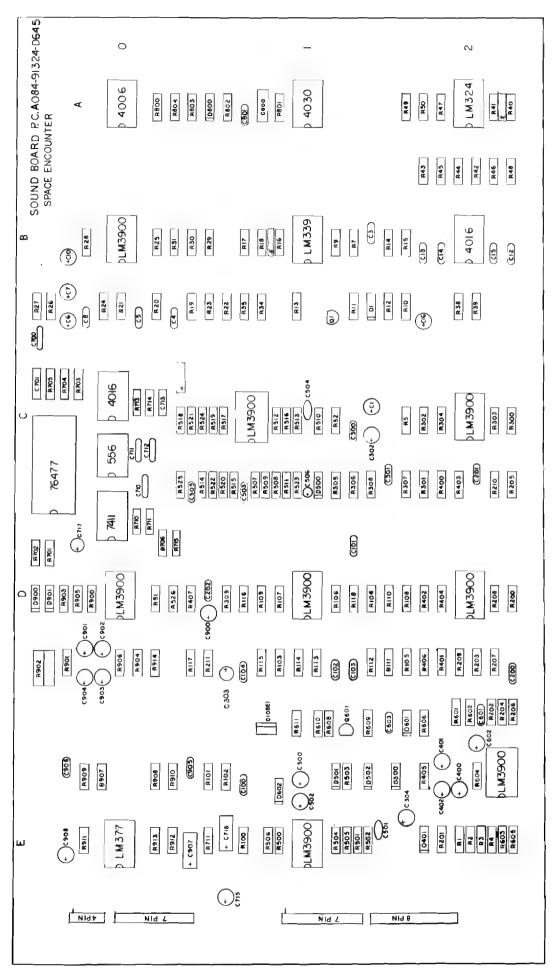


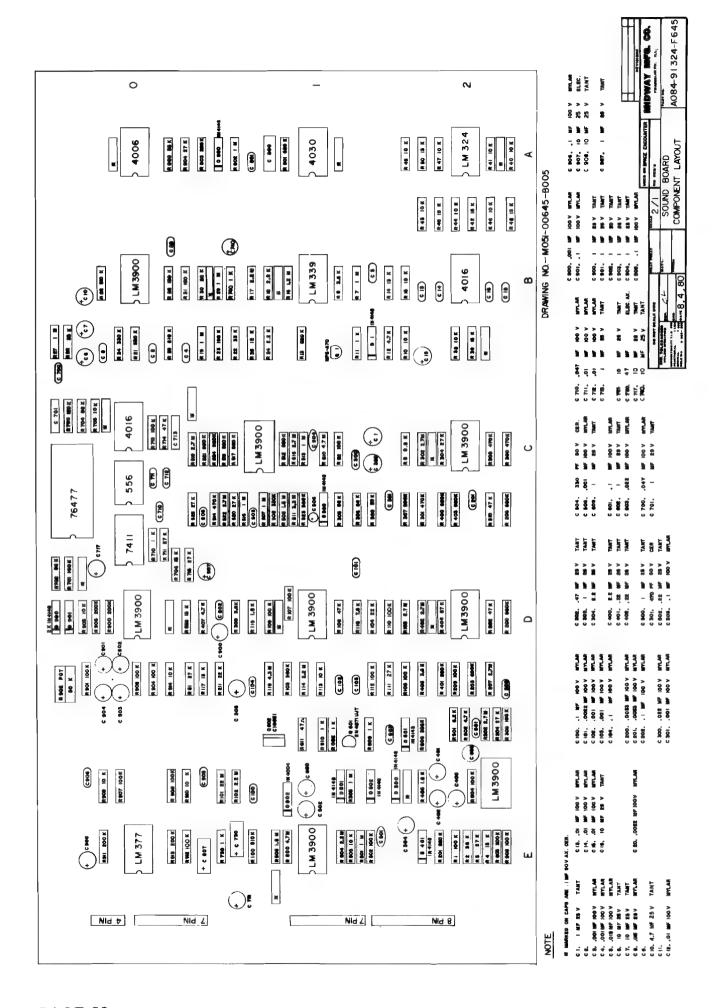


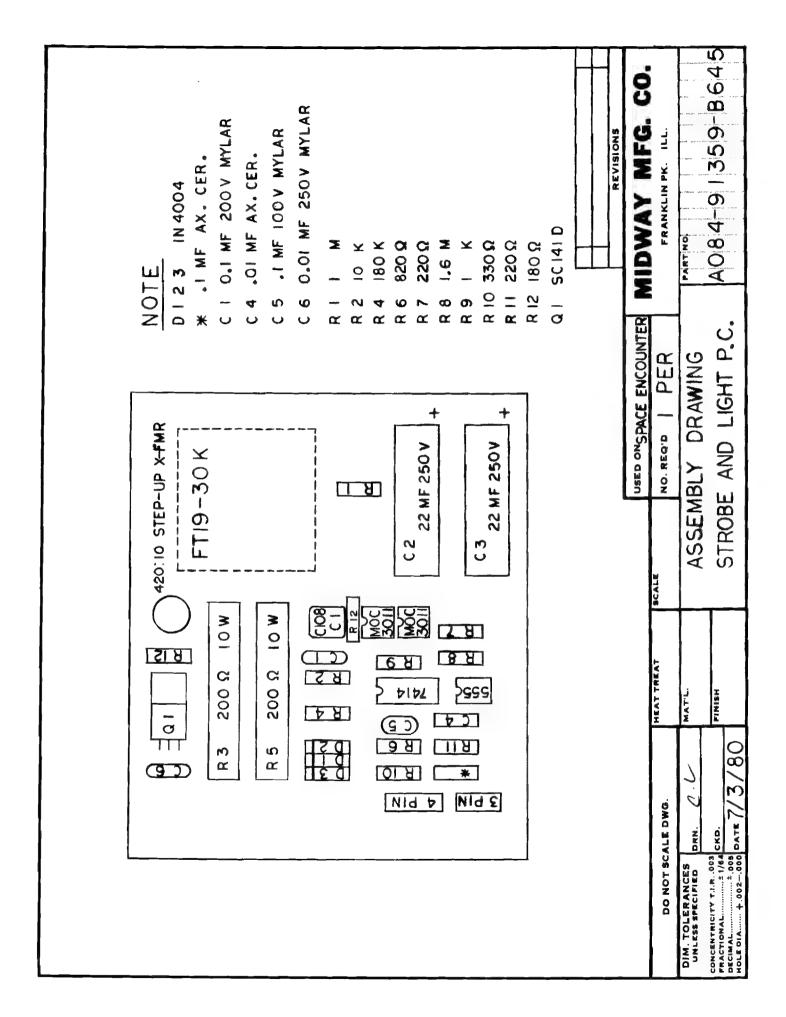




COMPONENT LAYOUT PART NO. MO51-00645-A005

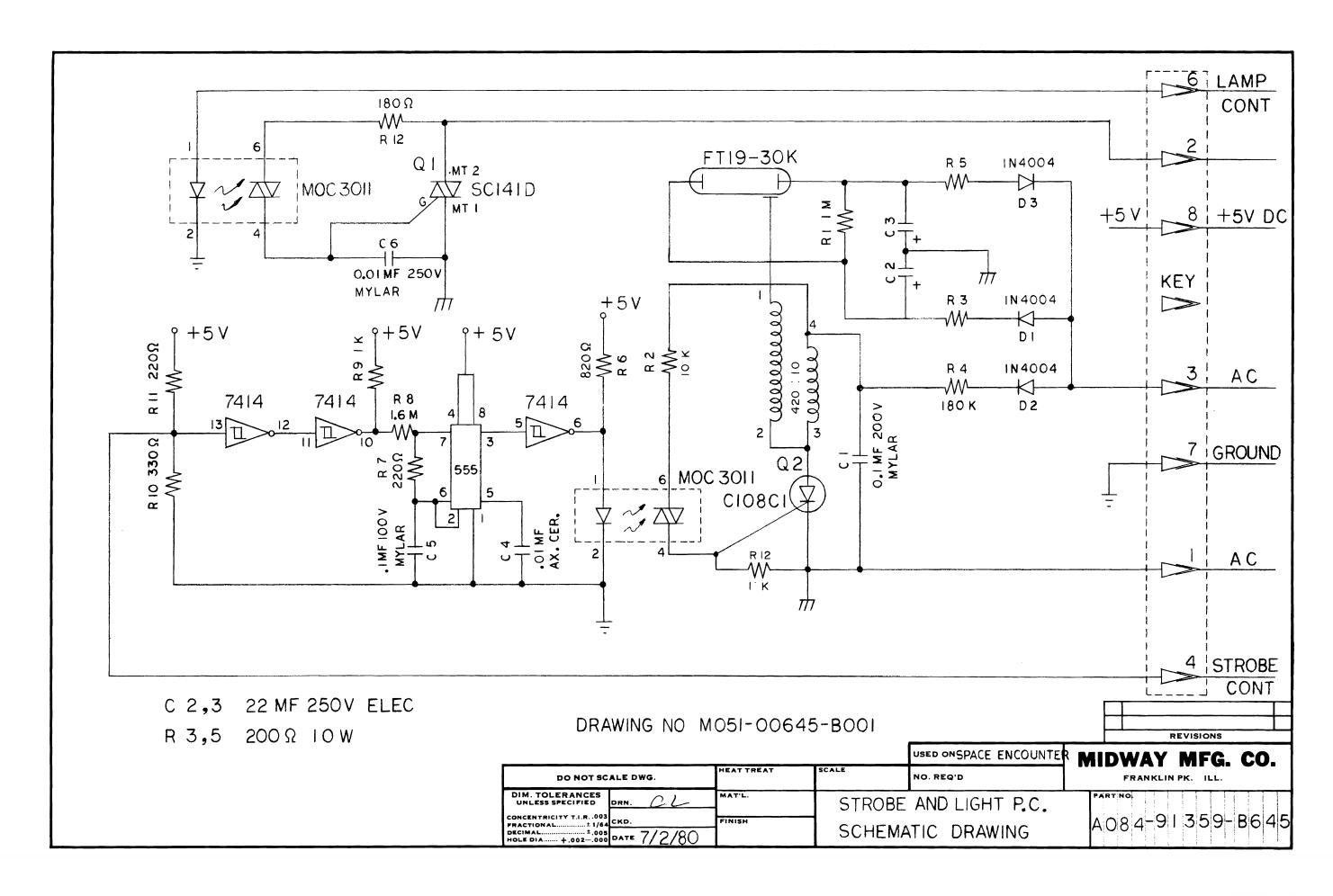


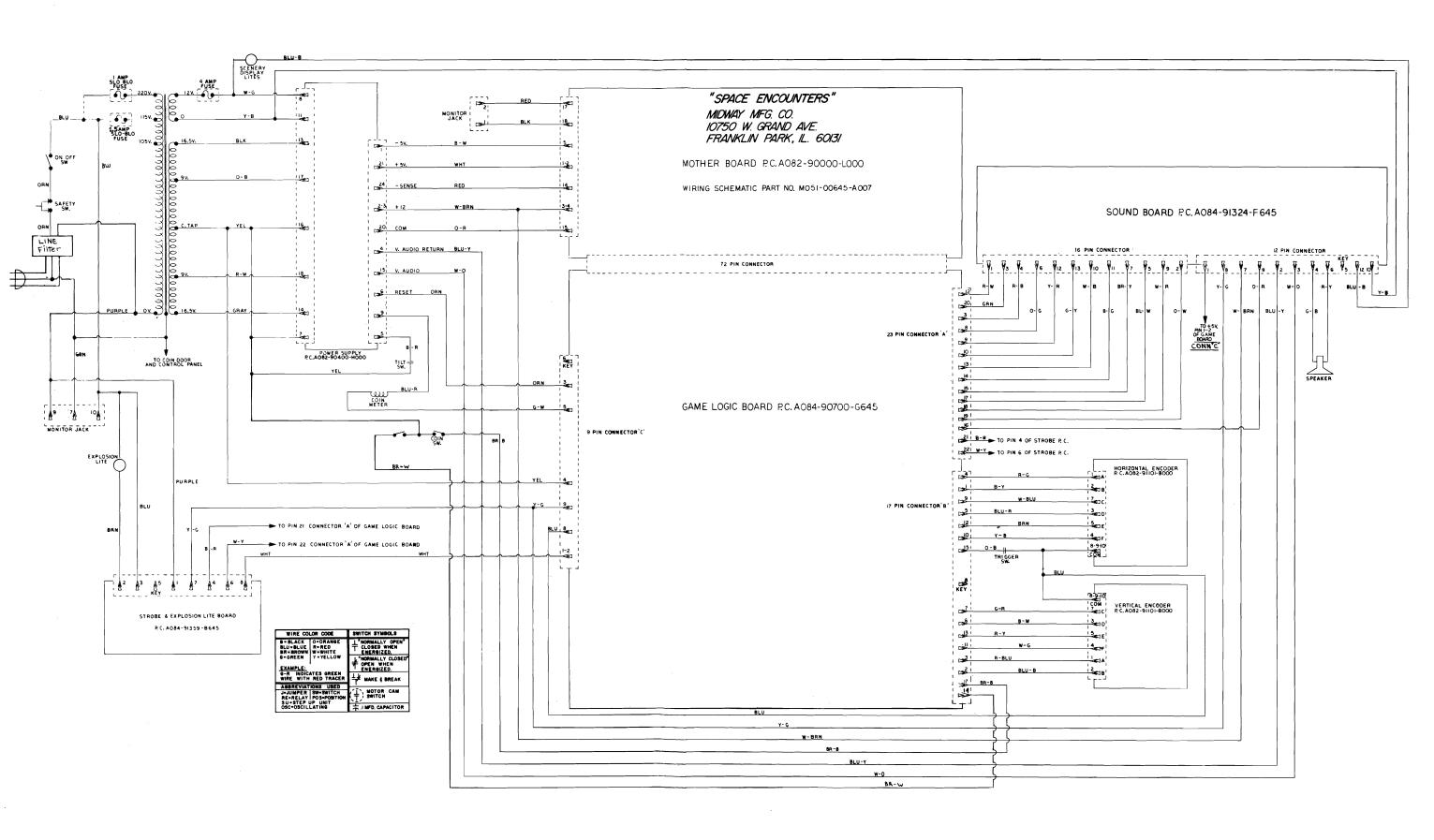


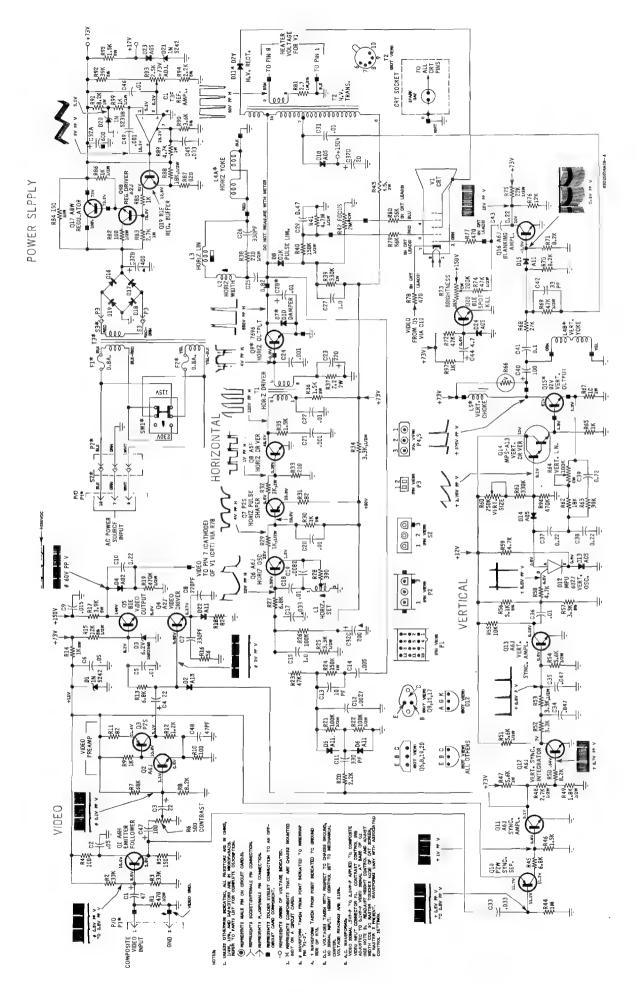


NOTES

This space is provided for personal notes







REF. NO	PART NUMBER	DESCRIPTION	REF ND.	PART NUMBER	OESCRIPTION	
ELECT	RICAL PART	S	COILS &	CHOKES	1	
	1Y25017A01	MONITOR PANEL: complete; KT364LM	L-1 L-2	24D68822A08 24D68801A67	HORIZ SET COMPENSATING: 2000 uh	
	1Y25017A02	POWER, Audio Panel: complete: KT365LM	L-3	24D69163A18	HORIZ LINEARITY	
CAPACIT	290	K 1303EW	L-4 L-5	24V25000A74 24D68523A15	HORIZ WIDTH: incls C42 & R68 DEFLECTION YOKE	
		50 (50)	TRANSIS	STORS		
C-1 C-2	23C65282A41 23C65282A41	50 mf 50V Lytic 50 mf 50V Lytic	Q-1 Q-2	48S137171 48S137127	1st VIDEO: A6H 2nd VIDEO: P2S	
C-3 C-4	21S180D10 23C65282A41	220 pf 20% 100V X5F (Use 21R132503) 50 mf 50V Lytic	Q-3	48\$134919	VIDEO OUTPUT: A1M	
C-5	21S180898 23S10255A78	180 pf 10% 500V X5F 470 mf 16V Lytic	Q-4 Q 5	48S137317 48S137115	VIDEO DRIVER: A8H SYNC SEPERATOR: A5U	
.C-6 C-7	21S180C01	680 pf 10% 500V X5F	Q-6 Q-7	48S137172 48S137127	HORIZ OSCILLATOR: A6J HORIZ PULSE SHAPER: P2S	
C-8 C-10	21S180885 8S10191867	560 pf 10% 500V X5F .22 mf 10% 250V Polyester	Q-8 Q-9	48S137093	HORIZ DRIVER: A5F	
C-11 C-12	8S10191A54 21S180D10	.0068 mf 10% 160V Polyester 220 pf 20% 100V X5F (Use 21R132503)	Q-10	48S137203 48S137173	HORIZ OUTPUT: A6Z VERT OSCILLATOR (1): P2W	
C-13	21S131625	330 pf 10% X5F	Q-11 Q-12	48S137171 48S137115	VERT OSCILLATOR (2): A6H VERT DRIVER: A5U	
C-15	21S180C41	.0027 mf 10% 500V 25F (Use 21K 121699)	Q-13 Q-14	48S134900 48S134952	VERT OUTPUT: A1C REGULATOR DRIVER; A2J	
C-16	23\$10229A07	1.0 mf +4020% 15V Lytic (Use 23C43280A17)	Q-15	48\$137315	REFERENCE AMP: A8G	
C-17 C-18	8510191B90 8510299A73	.033 mf 10% 160V Polyester .01 mf 10% 100V Poly carb	Q-16 Q-17	48\$137368 48\$137172	REGULATOR: A8W AUDIO DRIVER: A6J	
C-19	8S10299A74	.0082 mf 10% 160V Poly carb	Q-18 Q-19	485137168 485137169	AUDIO OUTPUT: P2V 5V REGULATOR, Driver: A6G	
C-20 C-21	8S10191B98 21S180851	.01 mf 10% 250V Polyester .001 mf 10% 500V X5F	Q-20	48\$137344	5V REGULATOR: A8U	
C-22 C-23	8S10191B98 21S180C02	.01 mf 10% 160V Polyester	Q-21	48\$137476	SPOT KILLER: B1E	
C-24	23D65282A40	10 pf 10% N150 150 mf 10V Lytic	CONTRO	LS		
C-25 C-26	21S180851 8S10212853	.001 mf 10% 500V X5F .47 mf 10% 630V Mtlz Poly	R-5 R-10	18D68222A34 18D66401A44	CONTRAST: 250 Ohm VIDEO BIAS: 4K	
C-27 C-28	8S10212A11 8S10571A06	1.0 mf 10% 630V Mtlz Poly .01 mf 5% 1200V Poly Prop Foil	R-17	18D67858A12	FOCUS: 2 meg	
C-29	8S10571A23	.56 mf 10% 250V Mtlz Prop Foil	R-21 R-34	18D68222A35 18D68222A37	BRIGHTNESS: 200K HORIZ HOLD: 25K	
C-30 C-31	8S10191A32 21S180887	.047 mf 10% 250V Polyester 220 pf 10% 500V X5F	R-59 R-65	18D66401A44 17D65820A38	VERT LINEARITY: 4K VERT SIZE: 15 Ohm	
C32 C-33	215180D34 8510212A69	.005 mf 20% 1KV Z5F (Use 21S180D31) .47 mf 10% 100V Mtlz Poly	R-74 R-82	17D65820A37	REGULATOR ADJUST: 2K VERT HOLD: 3K	
C-34 C-35	8S10191A32 8S10191B98	.047 10% 250V Polyester .01 mf 10% 250V Polyester	R-85	18D68222A36 18D68222A34	VOLUME: 250 Ohm	
C-36	23S10255A69	4.7 mf 100V Lytic	RESISTO	RS		
C-37 C-38	8S10212A20 8S10212A20	2.2 mf 10% 100V Mtzi Poly 2.2 mf 10% 100V Mtiz Poly	R-1 R-2	6S127633 6S125568	470 10% 1/2W 22K 10% 1/2W	
C-39 C-40	8S10191B67 8S10212A10	.22 mf 10% 250V Polyester 1.0 mf 10% 100V Mtlz Poly (Use	R-3	6S127541	56K 10% 1/2W	
		8S10191A46	R-4 R-6	6S127633 6S128955	470 10% 1/2W 1500 10% 1W	
C-41 C-42	8S10064A06 21S180A71	01 mf 10% 600∨ Mylar 470 pf 10% 500∨ X5F	R-7 R-8	6S121847 6S122445	4700 10% 1/2W 1800 10% 1/2W	
C43	23C65807A47	400 mf/125V; 600 mf/50V; 20 mf/200V Lytic	R-9 R-11	6S119926 6S128226	2700 10% 1/2W 120 10% 1/2W	
C-44 C-47	21S180E60 *23C65807A52	.01 mf +80-20% 50V 25V 5000 mf 20V Lytic	R-12	6S127633	470 10% 1/2W	
C-49	23\$10255A31	470 mf 40V Lytic	R-13 R-14	17S10731A02 6S12 4 797	7500 5% 5W WW 150 10% 1/2W	
C-50 C-51	23D65282A41 23S10255B43	50 mf 50V Lytic 40 mf 100V Lytic	R-15 R-18	6S127516	82 10% 1/2W Part of CRT socket assembly	
DIODES	& RECTIFIERS		R-19 R-20		Part of CRT socket assembly	
D-II D-2	48S134921 48S134978	DIODE, Silicon: D1D; Damper DIODE, Silicon: D1K; Pulse Limiter	R-22	6S129296	Part of CRT socket assembly 270K 10% 1/2W	
D-3	48D67120A11	DIODE, Low Power	R-23 R-24	6S10053C67 6S127538	27K 5% 1/2W 3.3 meg 10% 1/2W	
D-4 D-5	48S137114 48S191A05	RECTIFIER, H. V.: Silicon; D2Y RECTIFIER, Silicon: 91A05 (Use	R-25 R-26	6S121300 6S127541	27K 10% 1/2W 56K 10% 1/2W	
D-6	48S137469	48S191A07) DIODE, Silicon: zener; D7G	R-27	6S129875	2200 10% 1/2W	
D-7 D-8	48S134917 48S67120A11	DIODE, Dual: D1C; Detector DIODE, Low Power	R-28 R-29	6S125531 6S125531	180K 10% 1/2W 180K 10% 1/2W	
D-9	*48S191A10	RECTIFIER, Silicon: 91A10	R-30 R-31	6S125892 6S125534	47K 10% 1/2W 100K 10% 1/2W	
D-10 D-11	48S191A10 48S101A10	RECTIFIER, Silicon: 91A10 RECTIFIER, Silicon: 91A10	R-32 R 33	6S124506 6S10053C53	3300 10% 1/2W 6800 5% 1/2W	
D-12 D-13	48S191A10 48D67120A11	RECTIFIER, Silicon: 91A10 DIODE, Low Power	R-35	6S127541	56K 10% 1/2W	
D-14	48S191A05	RECTIFIER, Silicon: 91A05	R-36 R-37	6S125545 6S121301	390 10% 1/2W 1000 10% 1/2W	
D-15	48S191A05	(Use 48S191A07) RECTIFIER, Silicon: 91A05	R-38 R-39	6S10053C33 6S127516	1000 5% 1/2W 82 10% 1/2W	
D-16	48S191A05	(Use 48S191A07) RECTIFIER, Silicon: 91A05	R-40 R-41	6S127547 6S127099	1000 10% 1W 220 10% 1/2W	
D 17	48S191A05	(Use 48S191A07) RECTIFIER, Silicon: 91A05	R-42	6S127513	1500 10% 1/2W	
		(Use 48S191A07)	R-43 R-44	17S10130B07 17S744356	1500 10% 3W fxd mtl film 2.2 10% 2W WW	
D-18	48S191A05	RECTIFIER, Silicon: 91A05 (Use 48S191A07)	R-45 R-46	6S120141 6S127634	150K 10% 1W 33K 10% 1W	
D-19 D-20	48D67120A11 *48S10641D43	DIODE, Low Power DIODE, Silicon: D4.3	R-47 R-48	6S128229	680K 1.0% 1/2W	
D-21 D-22	48D67120A11 48S191A05	DIODE, Low Power RECTIFIER, Silicon: 91A05	R-49	6S10053D21 6S124797	4.7 meg 10% 1/2W 150 10% 1/2W	
		(Use 48S191A07)	R-50 1R-52	6S10053C45 6S124506	3300 5% 1/2W 3300 10% 1/2W	
D23	48S191A05	RECTIFIER Silicon: 91A05 (Use 48S191A07)	R-53 R-54	6S129874 6S131972	68 10% 1/2W 39 10% 1/2W	
FUSES			R-55	6S10053C65	22K 5% 1/2W	
F-1	65\$139424	FUSE: 1A-250V	R-56 R-57	6S125535 6S124506	39K 10% 1/2W 3300 10% 1/2W	
F-2	65S139424	FUSE: 1A-250V	R-58 R-60	6S129793 6S129875	82K 5% 1/2W 2200 10% 1/2W	
INTEGRA	*51S10732A01	INTEGRATED CIRCUIT: T3F	R-61	6S10053F29	820 10% 1W	
l	5.5.070EN91		R-62	6S127515	3900 10% 1/2W	

REPLACEMENT PARTS LIST

21301 10130C91 29064 22848 24797 647132 19926 24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	1000 10% 1/2W 10 10% 1/2W (special) 4700 10% 1W 18K 10% 1/2W 150 10% 1/2W 150 10% 1/2W 1200 10% 5W WW (Use 17S136197) 2700 10% 1/2W 15K 10% 1/2W 2200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 5600 10% 1/2W 15D 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	E-1 MECH	50V25008A22 65S139451 HANICAL PAR 9D66133A28 42B25158A01 31D70080B04 *15S10390A06 *15S10183A69	CAP, SS Rect (HV Transformer — PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
10130C91 29064 22848 24797 647132 19926 24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	10 10% 1/2W (special) 4700 10% 1W 18K 10% 1/2W 150 10% 1/2W 1500 10% 5W WW (Use 17S136197) 2700 10% 1/2W 15K 10% 1/2W 200 10% 1/2W 1000 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	MECH	9D66133A28 42B25158A01 31D70080B04 *15S10390A06	CAP, SS Rect (HV Transformer — PRI/SEC lead) CLAMP, Metal: Defi Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
29064 222848 24797 647132 19926 24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	4700 10% 1W 18K 10% 1/2W 150 10% 1/2W 1200 10% 5W WW (Use 17S136197) 2700 10% 1/2W 15K 10% 1/2W 2200 10% 1/2W 2000 10% 1/2W 3000 10% 1/2W 1000 10% 1/2W 1000 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	MECH	9D66133A28 42B25158A01 31D70080B04 *15S10390A06	CAP, SS Rect (HV Transformer — PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
22848 24797 647132 19926 24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	18K 10% 1/2W 150 10% 1/2W 1200 10% 5W WW (Use 17S136197) 2700 10% 1/2W 15K 10% 1/2W 2200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 3300 10% 1/2W 5600 10% 1/2W 5600 10% 1/2W 550 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	S-2	9D66133A28 42B25158A01 31D70080B04 *15S10390A06	CAP, SS Rect (HV Transformer — PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
24797 647132 19926 24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	150 10% 1/2W 1200 10% 5W WW (Use 17S136197) 2700 10% 1/2W 15K 10% 1/2W 200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 5500 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	S-2	9D66133A28 42B25158A01 31D70080B04 *15S10390A06	CAP, SS Rect (HV Transformer — PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
647132 19926 24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	1200 10% 5W WW (Use 17S136197) 2700 10% 1/2W 15K 10% 1/2W 2200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W	S-2	9D66133A28 42B25158A01 31D70080B04 *15S10390A06	CAP, SS Rect (HV Transformer — PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
19926 24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	(Use 17S136197) 2700 10% 1/2W 15K 10% 1/2W 2200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 300 10% 1/2W 5600 10% 1/2W 550 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	S-2	9D66133A28 42B25158A01 31D70080B04 *15S10390A06	CAP, SS Rect (HV Transformer — PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	2700 10% 1/2W 15K 10% 1/2W 2200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 5600 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		42B25158A01 31D70080B04 *15S10390A06	PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
24551 29875 21301 24506 29221 27005 135589 6263A08 27099 21301	15K 10% 1/2W 2200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		42B25158A01 31D70080B04 *15S10390A06	PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
29875 21301 24506 29221 27005 135589 6263A08 27099 21301	2200 10% 1/2W 1000 10% 1/2W 3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		42B25158A01 31D70080B04 *15S10390A06	PRI/SEC lead) CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
21301 24506 29221 27005 135589 6263A08 27099 21301 — — 31412	1000 10% 1/2W 3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		31D70080B04 *15S10390A06	CLAMP, Metal: Defl Yoke Mtg CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
24506 29221 27005 135589 6263A08 27099 21301 — —	3300 10% 1/2W 100 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		31D70080B04 *15S10390A06	CONNECTOR, PC panel: 9 contact; on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
29221 27005 135589 6263A08 27099 21301 — — 31412	100 10% 1/2W 5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		*15S10390A06	on chassis CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
27005 135589 6263A08 27099 21301 — —	5600 10% 1/2W 150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		_	CONNECTOR, PC panel: 12 contact; less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
135589 6263A08 27099 21301 — — 31412	150 10% 10W WW VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W		_	less key and contacts (power-audio panel) CONNECTOR, Plug: 12 contact; less contacts (power)
6263A08 27099 21301 —— 31412	VARISTOR (Use 6S66263A16) 220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	P 1	*15S10183A69	CONNECTOR, Plug: 12 contact; less contacts (power)
27099 21301 31412	220 10% 1/2W 1000 10% 1/2W Part of CRT Socket 56 10% 1/2W	P1	*15S10183A69	contacts (power)
21301 31412	1000 10% 1/2W Part of CRT Socket 56 10% 1/2W			•
31412	Part of CRT Socket 56 10% 1/2W			
31412	56 10% 1/2W			CONTACT, Plug: for power connector
			*39S10184A63	15S10183A69
0053C39	1800 5% 1/2W	1	39S10184A22	CONTACT: for S2 connector
0053C57	10K 5% 1/2W	1	15S10630A01	COVER, nylon: slide switch; SW1
25568	22K 10% 1/2W	1	*7\$10609A03	GROMMET, Plastic: PC panel mtg
25568	22K 10% 1/2W	1	26C66745A05	HEAT SINK: Q3
21847	4700 10% 1/2W		*26C25198A01	HEAT SINK: Q20
27099	220 10% 1/2W	1	9C66238A02	HOLDER, Fuse: F1 & F2
28226	120 10% 1/2W	1	14A562353	INSULATOR, Mica: Transistor socket;
		1		Q9, Q13, Q16 & Q20 (Use 14A543810)
		1	28S10733A01	KEY, Plug: for S2 connector
		1	2S7 0 51	NUT, hex: 3/8-32; control mtg
10624A01	SWITCH, Slide: DPDT (115V-230V)		5S10281A03	RIVET, drive pin: nylon; HV transf mtg
			47C66082A03	ROD, Adjustment: width coil; L4
RS		1	38136050	SCREW, tpg: 6-20 x 1/2 clu pan hd;
67440403	HORIZ DRIVER	1		Q9, Q13, Q16 & Q20
			9S10143A41	SOCKET, lamp: E1
			9D67555V27	SOCKET, CRT: incls leads & resistors
		1	*9D25201A01	SOCKET, HV Rectifier (4): complete;
168 164A31	POWER			incls 2nd anode lead & cup
OUS ELECTR	IICAL PARTS	1	9C63825A01	SOCKET, transistor: Q9, Q13, Q16
		1	9C63825A02	SOCKET, transistor: Q20
	CRT (XM501-10 19VP111)	1	41D65987A01	SPRING, special: CRT aquadag grnd
P4		1	66P65173A47	TOOL, contact removel (S2 connector)
6	57440A03 59791A21 55840A22 58164A31 US ELECTR	57440A03 HORIZ DRIVER 59791A21 H. V. TRANSFORMER: complete 55840A22 VERT OUTPUT (Use 25D65840B23) 68164A31 POWER US ELECTRICAL PARTS	57440A03 HORIZ DRIVER 59791A21 H. V. TRANSFORMER: complete 55840A22 VERT OUTPUT (Use 25D65840B23) 58164A31 POWER US ELECTRICAL PARTS	## PRIZ DRIVER ## PRI

^{*} DENOTES NEW ITEM APPEARING ON ANY LIST FOR FIRST TIME.

MOTOROLA PARTS DEPT.

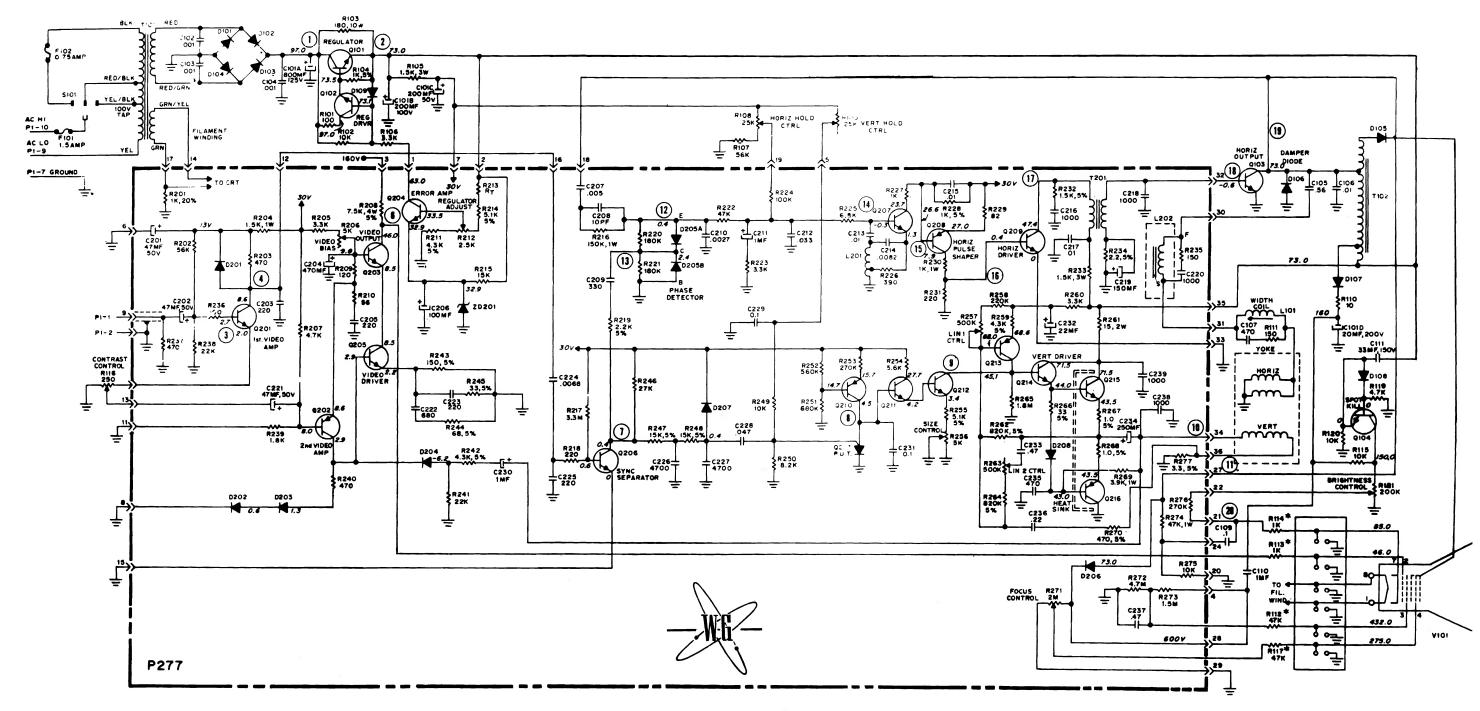
MOTOROLA INC.

1155 HARVESTER RD.

WEST CHICAGO, IL 60185
PHONE (312) 231-4400

NOTES

This space is provided for personal notes



NOTES:

- 1. VOLTAGE MAY VARY WITH CONTROL SETTING.
- 2. LINE VOLTAGE MAINTAINED AT 120VAC, 5Q/60 Hz.
- 3 ALL D.C. VOLTAGES 210% MEASURED FROM POINT INDICATED TO CHASSIS USING HIGH IMPEDANCE METER WITH NO SIGNAL INPUT. CONTRAST AND BRIGHTNESS CONTROLS AT MAXIMUM; ALL OTHER CONTROLS IN NORMAL OPERATING POSITION.
- 4. WITH INTERNAL NUMBER INDICATES LICEATION OF WAVE FORM READING.

2701 N. KILDARE AVE. • CHICAGO, ILL. 60639 • ALBANY 2-8220

TELEX 25-3286

- # INDICATES RESISTORS LOCATED IN PICTURE TUBE LEAD ASSEMBLY.
- RESISTANCE VALUES IN OHMS, 1/2 WATT, 10% UNLESS OTHERWISE NOTED. K-1,000 M-1,000,000
- CAPACITANCE VALUES OF 1 OR LESS ARE IN MICROFARADS. ABOVE 1 IN PICOFARADS UNLESS OTHERWISE NOTED.

MODEL NO. V1001-5734

REPLACEMENT PARTS LIST

CHASSIS PARTS

CAPACITORS

C101A,		800 μF/125V, 200 μF/100V
B, C, D	45X0558-001	200 μF/50V, 20 μF/200V Electrolytic
C102, 103		
104	80X0001-000	.001 μF, GMV Z5U Cer. Disc.
★C105	342X5642-049	.56 μF, 400V, 10% Polypropylene
★C106	46X0536-001	.01 μF, 1200V, 5% Polypropylene
C107	80X0099-006	470 pF, Z5F, 10%
C109	342X1044-040	0.1 μF, 400V, 20% Mylar
★C110	46X0540-002	1.0 µF, 630V, 10% Polyester Film
C111	45X0515-032	33 μF, 150V, Electrolytic

CONTROLS

R108, 109	40X0585-091	25k Ohm, Horiz, & Vert. Hold
R116	40X0585-090	250 Ohm, Contrast
R121	40X0585-092	200k Ohm, Brightness

COILS & TRANSFORMERS

★L101	9A2787-001	Coil, Width
★ T101	53X0475-001	Transformer, Power
★ T102	53X0474-001	Transformer, Flyback

RESISTORS

340X3101-941	100 Ohm, 10%, 1/2W
340X3103-941	10k Ohm, 10%, 1/2W
340X0181-341	180 Ohm, 10%, 10W, WW
340X3102-931	1k Ohm, 5%, 1/2W
340X6152-341	1.5k Ohm, 10%, 3W, WW
340X3332-941	3.3k Ohm, 10%, 1/2W
340X3563-941	56k Ohm, 10%, 1/2W
340X3100-941	10 Ohm, 10%, 1/2W
340X3151-941	150 Ohm, 10%, 1/2W
340X3472-941	4.7k Ohm, 10%, 1/2W
	340X3103-941 340X0181-341 340X3102-931 340X6152-341 340X3332-941 340X3563-941 340X3100-941 340X3151-941

SEMICONDUCTORS

D101, 102		
103, 104	66X0023-009	Rectifier, Silicon 500V 1N444B
★ D105	66X0067-001	Rectifier Varo H1802
★D106	66X0068-001	Diode, Damper MR1-1600
D107	66X0053-001	Diode, 350V Amperex BA148
D108, 109	66X0046-001	Diode, Silicon FDH444
★ Q101	86X0117-001	Transistor (NPN) 2N5632 Regulator
Q102	86X0071-001	Transistor (NPN) Reg. Driver MPSA06
★ Q103	86X0118-001	Transistor (NPN) BU207 Hor. Output
Q104	86X0065-001	Transistor (NPN) D40N5 Spot Kill

MISCELLANEOUS

	16X0171-001	Fuse Holder
★F101	16X0176-001	Fuse, 1.5 Amp. Slo-Blo 3AG
★F102	16X0175-001	Fuse, 0.75 Amp, Slo-Blo 3AG
*	13X1201-001	HV Lead & Recept. Assy.
	28X0789-001	Spring, Dag, Grounding
*	9A2786-001	Deflection Yoke & Clamp
★V101	19VARP4	CRT (19V1001)
or	or	
★ V101	22VATP4	CRT (22V1001)
	38A5473-000	2 PDT Small Relay (W/Wires)
	38A5474-000	6 PDT Large Relay (W/Wires)

[★] Product Safety Device

REPLACEMENT PARTS LIST P277 CIRCUIT BOARD ASSY.

CAPACITORS

RESISTORS (Cont'd.)

C201, 202,			R220, 221	340X3184-944	180k Ohm, 10%, 1/2W
221	45X0524-027	47 μF, 50V, Electrolytic	· ·		47k Ohm, 10%, 1/2W
C203, 205,	70/0027 027	TI MI, GOV, Electrolytic	R222	340X3473-944	100k Ohm. 10%, 1/2W
	0000000 057	200 pF 100 75F Oor Dies	R224	340X3104-944	· · · · · · · · · · · · · · · · · · ·
223, 225	80X0099-057	220 pF, 10%, Z5F, Cer. Disc.	R225	340X3682-944	6.8k Ohm, 10%, 1/2W
C204	45X0524-053	470 μF, 16V, Electrolytic	R226	340X3391-944	390 Ohm, 10%, 1/2W
C206	45X0524-051	100 μF, 50V, Electrolytic	R227	340X3102-944	1k Ohm, 10%, 1/2W
C207	80X0099-192	.005 μF, 20%, 1KV, Cer. Disc.	R228	340X3102-934	1k Ohm, 5%, 1/2W
C208	80X0099-036	10 pF, 10%, 500V, Cer. Disc.	R229	340X3820-944	82 Ohm, 10%, 1/2W
C209	80X0099-013	330 pF, 10%, 500V, Cer. Disc.	★R230	340X4102-843	1k Ohm, 10%, 1.0W
C210	349X4722-109	.0027 μF, 10%, Mylar	R232	340X3152-934	1.5k Ohm, 5%, 1/2W
C211	45X0524-023	1.0 μF, 15V, Electrolytic			1.5k Ohm, 10%, 3.0W
C212	349X3332-109	.033 μF, Mylar	★R233	340X6152-743	
			R234	340X5022-333	2.2 Ohm, 5%, 2.0W
C213	46X0537-002	.01 μF, Poly	R235	340X3151-944	150 Ohm, 10%, 1/2W
C214	46X0537-003	.0082 μF, Poly	R236	340X3101-944	100 Ohm, 10%, 1/2W
C215	349X1032-109	.01 μF, 10%, 100V Mylar	R238, 241	340X3223-944	22k Ohm, 10%, 1/2W
C216, 218,			R239	340X3182-944	1.8k Ohm, 10%, 1/2W
220, 238,			R243	340X3151-934	150 Ohm, 5%, 1/2W
239	80X0099-076	1000 pF, 10%, 500V, Cer. Disc.	R244	340X3680-934	68 Ohm, 5%, 1/2W
C217	349X1032-209	.01 μF, 10%, 200V, Mylar	R245, 266	340X3330-934	33 Ohm, 5%, 1/2W
C219	45X0524-052	150 μF, 10V, Electrolytic	R246	340X3273-944	27k Ohm, 10%, 1/2W
C222	80X0099-137	680 pF, 10%, 500V, Cer. Disc.			
C224	349X6822-109	.0068 μF, 10%, 100V, Mylar	R247, 248	340X3153-934	15k Ohm, 5%, 1/2W
C226, 227	80X0099-056		R249, 275	340X3103-944	10k Ohm, 10%, 1/2W
		4700 μF, 10%, 500V, Cer. Disc.	R250	340X3822-944	8.2k Ohm, 10%, 1/2W
C228	349X4732-109	.047 μF, 10%, 100V, Mylar	R251	340X3684-944	680k Ohm, 10%, 1/2W
C229	349X1044-109	0.1 μF, 20%, 100V, Mylar	R252	340X3564-944	560k Ohm, 10%, 1/2W
C230	45X0515-014	1.0 μF, 50V, Electrolytic	R253, 276	340X3274-944	270k Ohm, 10%, 1/2W
C231	349X1042-109	0.1 μF, 10%, 100V, Mylar	R254	340X3562-944	5.6k Ohm, 10%, 1/2W
C232	45X0524-026	22 μF, 100V, Electrolytic	R258	340X3224-944	220k Ohm, 10%, 1/2W
C233	349X4742-109	.47 μF, 10%, 100V, Mylar	★R261	340X5150-843	15 Ohm, 10%, 2.0W
C234	45X0524-025	250 μF, 100V, Electrolytic	R262, 264	340X3824-934	820K Ohm, 5%, 1/2W
C235	80X0099-006	470 pF, 10%, Z5F, Cer. Disc.	R265	340X3185-944	1.8M Ohm, 10%, 1/2W
C236	349X2242-109	.22 μF, 10%, 100V, Mylar	R267, 268	340X3010-934	1 Ohm, 5%, 1/2W
C237	46X0540-001	.47 μF, 10%, 630V, Polyester Film	R269	340X4392-843	3.9K Ohm, 10%, 1/2W
				04074002 040	
			P270	24073471-034	470 Ohm 5% 1/2W
	cc	MITPOLS	R270	340X3471-934	470 Ohm, 5%, 1/2W
	CC	NTROLS	R272	340X3475-944	4.7M Ohm, 10%, 1/2W
			R272 R273	340X3475-944 340X3155-944	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W
R206, 256	40X0592-008	5k Ohm, Video Output, Size	R272 R273 ★R274	340X3475-944 340X3155-944 340X4473-843	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W
R212			R272 R273	340X3475-944 340X3155-944	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W
	40X0592-008	5k Ohm, Video Output, Size	R272 R273 ★R274	340X3475-944 340X3155-944 340X4473-843 340X3033-934	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W
R212	40X0592-008 40X0585-093	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj.	R272 R273 ★R274	340X3475-944 340X3155-944 340X4473-843	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W
R212 R257, 263	40X0592-008 40X0585-093 40X0592-004	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2	R272 R273 ★R274 R277	340X3475-944 340X3155-944 340X4473-843 340X3033-934	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W
R212 R257, 263	40X0592-008 40X0585-093 40X0592-004 40X0585-094	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2	R272 R273 ★R274 R277	340X3475-944 340X3155-944 340X4473-843 340X3033-934	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W
R212 R257, 263	40X0592-008 40X0585-093 40X0592-004 40X0585-094	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus	R272 R273 ★R274 R277	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONI	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS
R212 R257, 263 R271	40X0592-008 40X0585-093 40X0592-004 40X0585-094	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS
R212 R257, 263 R271 ★L201	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICOND 66X0046-001 66X0066-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102
R212 R257, 263 R271 ★L201 ★L202	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS
R212 R257, 263 R271 ★L201	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICOND 66X0046-001 66X0066-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102
R212 R257, 263 R271 ★L201 ★L202	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICOND 66X0046-001 66X0066-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102
R212 R257, 263 R271 ★L201 ★L202	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205,	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF
R212 R257, 263 R271 ★L201 ★L202 ★T201	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906
R212 R257, 263 R271 ★L201 ★L202 ★T201	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN)
R212 R257, 263 R271 ★L201 ★L202 ★T201	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q203 Q204, 212	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN)
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237,	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q203 Q204, 212 Q207, 211	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0058-002	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q203 Q204, 212	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN)
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237,	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q203 Q204, 212 Q207, 211 Q209 Q210	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X00672-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223,	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSA56 Transistor (NPN) MPSA56
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 340X3332-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0074-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3471-944 340X3471-944 340X3472-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 4.76 Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0073-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R204 R205, 223, 260 R207 ★R208 R209	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3471-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944 340X3472-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3471-944 340X3471-944 340X3472-944 340X3472-944 340X37752-733	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0073-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242,	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X7752-733 340X3121-944 340X3560-944	5k Ohm, Video Output, Size 2.5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 4.76 Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 4.7k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 259	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944 340X3121-944 340X3560-944 340X3432-934	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%. 1.0W 3.3k Ohm, 10%. 1.0W 4.7k Ohm, 10%. 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W 4300 Ohm, 5%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 259 R213	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3121-944 340X3560-944 340X3432-934 43X0467-001	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 1.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 259 R213 R214, 255	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X37752-733 340X3121-944 340X3560-944 340X3432-934 43X0467-001 340X3512-934	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0078-001 86X0072-001 86X0073-001 86X0073-001 86X0074-001 86X0075-001 86X0075-001 86X0070-001 66X0040-004	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 259 R213 R214, 255 R215	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X37752-733 340X3121-944 340X3560-944 340X3432-934 43X0467-001 340X3512-934 340X3153-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 4.7k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R204, 260 R207 ★R208 R209 R210 R211, 242, 259 R213 R214, 255 R215 ★R216	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3471-944 340X3472-944 340X3472-944 340X37752-733 340X3121-944 340X3432-934 43X0467-001 340X3512-934 340X3153-944 340X3153-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 4.7k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 10%, 1.0W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0078-001 86X0072-001 86X0073-001 86X0073-001 86X0074-001 86X0075-001 86X0075-001 86X0070-001 66X0040-004	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 259 R213 R214, 255 R215 ★R216 R217	40X0592-008 40X0585-093 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3471-944 340X3472-944 340X3472-944 340X3752-733 340X3121-944 340X3432-934 43X0467-001 340X3512-934 340X3153-944 340X3153-944 340X3335-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 5%, 4.0W 470 Ohm, 5%, 4.0W 470 Ohm, 5%, 4.0W 470 Ohm, 5%, 4.0W 470 Ohm, 5%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 5%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 5%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 5%, 1/2W 470 Ohm, 5%, 1/2W 470 Ohm, 5%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0078-001 86X0072-001 86X0073-001 86X0073-001 86X0074-001 86X0075-001 86X0075-001 86X0070-001 66X0040-004	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 259 R213 R214, 255 R215 ★R216 R217 R218, 231	40X0592-008 40X0585-093 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3752-733 340X3121-944 340X3560-944 340X3560-944 340X35512-934 43X0467-001 340X3153-944 340X3355-944 340X3355-944 340X3355-944 340X3355-944	5k Ohm, Video Output, Size 2:5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 120 Ohm, 10%, 1/2W 150k Ohm, 5%, 1/2W 150k Ohm, 5%, 1/2W 150k Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W 150k Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001 86X0075-001 86X0070-001 86X0070-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V
R212 R257, 263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 259 R213 R214, 255 R215 ★R216 R217	40X0592-008 40X0585-093 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3471-944 340X3472-944 340X3472-944 340X3752-733 340X3121-944 340X3432-934 43X0467-001 340X3512-934 340X3153-944 340X3153-944 340X3335-944	5k Ohm, Video Output, Size 2.5k Ohm, Reg. Adj. 500k Ohm, Lin 1 & 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4.7k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 150k Ohm, 10%, 1/2W 150k Ohm, 10%, 1/2W 150k Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X4473-843 340X3033-934 SEMICONE 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0071-001 86X0071-001 86X0078-001 86X0072-001 86X0073-001 86X0073-001 86X0074-001 86X0075-001 86X0075-001 86X0070-001 66X0040-004	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.3 Ohm, 5%, 1/2W DUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195

SPACE ENCOUNTERS

GAME LOGIC BOARD STROBE AND LIGHT UNIT [PC - A084 - 90700 - A905] [PC A084 - 91359] **FUNCTION** CHIP NUMBER **FUNCTION** DEVICES Quad two input Nand MDC3011 Opto - Isolator 7400 Quad two input Nor SC141D 7402 Triac Hex inverter 7404 7414 Hex Schmitt Trigger Quad two input And 74LS08 555 Timer 7417 Hex Buffer FT19 - 30K Strobe Light Assembly Quad two input Nand Buffer 7438 C108C1 SCR 7442 **BCD-Decimal Decoder** 1N4004 Diode Dual "D" Type Flip - Flop 7474 7483 4 Bit Binary Adder 74\$89 64 Bit Ram SOUND GENERATOR [PC A084 - 91324 - F - 645] Dual "JK" Flip Flop 74109 74LS138 3 to 8 line Decoder Multiplexer CHIP NUMBER **FUNCTION** 74LS153 Dual 4 to 1 line Multiplexer 4006 18 Bit Shift Register Quad 2 to 1 line Multiplexer 4016 Quad Electronic Switch 74157 74161 4 Bit Binary Counter 4030 Quad Exclusive OR Hex "D" Type Flip Flop 74174 Quad OP. Amp. LM324 74175 Quad "D" Type Flip Flop LM339 **Quad Voltage Comparator** 74191 Binary up - down Counter LM377 Dual Audio Amp. **Dual Timer** 74S201 256 Bit Ram 556 27LS00 256 Bit Ram 76477 Sound Generator 74LS298 Quad 2 input Multiplexer 7411 3 Input And Unijunction Transistor 2N4871 ADDITIONAL **DEVICES FUNCTION** ADDITIONAL **DEVICES FUNCTION** 2N4401 Transistor SCR TIP-110 **Transistor** C108B1 1N4004 Diode MPSA20 Transistor

TIP-32

1N4148

Diode

Transistor